

511,856

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



14 OCT 2004

(43) International Publication Date
4 December 2003 (04.12.2003)

PCT

(10) International Publication Number
WO 03/099574 A1

(51) International Patent Classification⁷: **B41M 5/26**

Lane, Henry Clay Village, DE 19807 (US). **ANDREWS, Gerald, D.** [US/US]; 36 Pierson Drive, Hockessin, DE 19707 (US). **WEED, Gregory, C.** [US/US]; Rural Delivery 1, Box 122 B, Towanda, PA 18848 (US).

(21) International Application Number: PCT/US03/02058

(22) International Filing Date: 21 January 2003 (21.01.2003)

(74) Agent: **FICKES, Daphne, P.**; E.I. Du Pont De Nemours and Company, Legal Patent Records Center, 4417 Lancaster Pike, Wilmington, DE 19805 (US).

(25) Filing Language: English

(26) Publication Language: English

(81) Designated States (*national*): JP, KR, US.

(30) Priority Data:
60/381,289 17 May 2002 (17.05.2002) US
60/415,869 3 October 2002 (03.10.2002) US

(84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR).

(71) Applicant (*for all designated States except US*): **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).

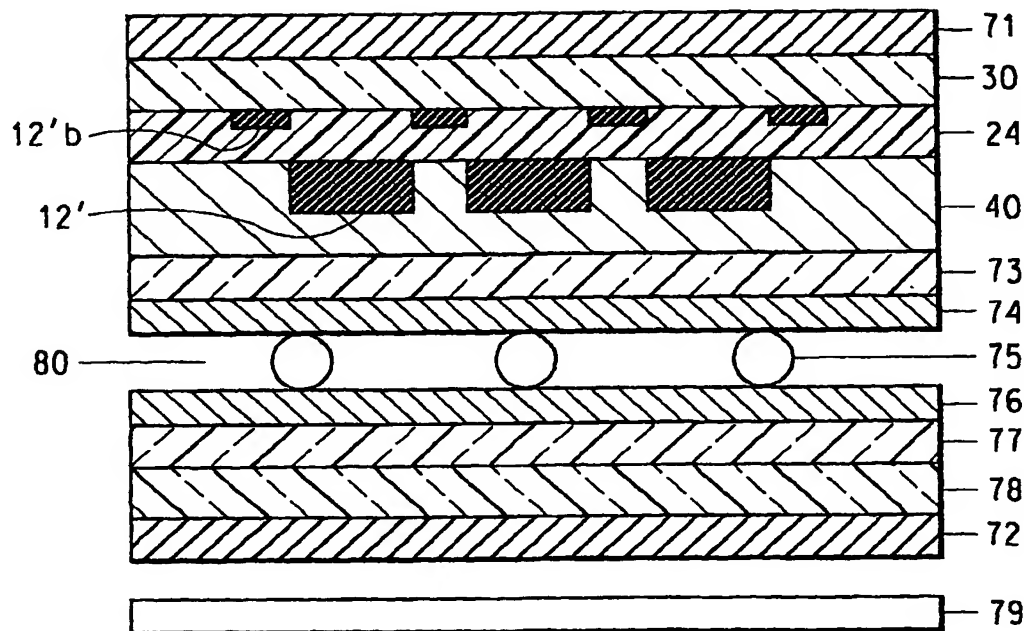
Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicants and

(72) Inventors: **CASPAR, Jonathan, V.** [US/US]; 210 Brecks

(54) Title: LOW MOLECULAR WEIGHT ACRYLIC COPOLYMER LATEXES FOR DONOR ELEMENTS IN THE THERMAL PRINTING OF COLOR FILTERS



(57) Abstract: A donor element is described for use in a thermal imaging process. The donor element includes a support; a heating layer; and a colorant containing thermally imageable layer comprising a crosslinkable binder having a number average molecular weight of about 1,500 to about 70,000. A process for making a color filter using a thermal imaging process, and a liquid crystal display using this color filter are also described.

WO 03/099574 A1